

ACC NR: 47005563

$$\epsilon = \frac{2\delta\rho}{\rho C^2(1-\Delta_{III})} = 1 + \frac{1}{1-\Delta_{III}} \left\{ \sin^2 \beta \left[(1-\Delta_I)^2 - 2(1-\Delta_{II}) \right] - \right. \\ \left. - \left[\frac{1-\Delta_{II}}{1-\Delta_I} \cos \beta \right]^2 \right\}, \\ c_1 = \frac{2\delta\rho}{\rho C_1^2} = \sin^2 \beta_1 \left[(1-\Delta_{III}) \left[\left(\frac{1}{1-\Delta_I} \right)^2 + \left(\frac{1-\Delta_I}{1-\Delta_{II}} \operatorname{ctg} \beta_1 \right)^2 \right] - \right. \\ \left. - 2 \left[\frac{1-\Delta_{II}}{(1-\Delta_I)^2} - 1 \right] \right] - 1.$$

The blade losses are thus taken as functions of not only the lattice geometry but of boundary layer parameters as well. The internal edge loss is then defined by the difference

$$\Delta\epsilon = c_1 - |c_1|_{s=0}$$

and is plotted as a function of the parameter

$$\frac{\bar{s}}{\bar{\epsilon} \sin^2 \beta}$$

These analytical results are compared with experimental data for three different lattice geometries and are found to agree very well with them. Orig. art. has: 12 formulas and 3 figures.

SUB CODE: 20,41 / SUBM DATE: none/ ORIG REF: 007

Card 2/2

ACC NR: AP/C00286 (N) SOURCE CODE: UR/0143/66/0001 (CIA)/0110

AUTHOR: Morozov, D. I. (Candidate of technical sciences)

ORG: Kharkov Polytechnical Institute
im. V. I. Lenin (Kharkovskiy politekhnicheskiy
institut)

TITLE: Optimum shape of turbine inlet diffuser

SOURCE: IVJZ. Energetika, no.11, 1966, 107-110

TOPIC TAGS: ~~turbomachine~~, turbomachine diffuser, mixed flow diffuser,
~~DIFFUSER FLOW, TURBINE ENGINE SYSTEM~~

ABSTRACT: Due to the lack of theoretical solutions for problems on the optimum shape of a diffuser yielding minimum energy losses, intensive investigations of mixed-flow diffusers for turbomachines are presently being carried out, at the Kharkov Polytechnical Institute im. V. I. Lenin. These investigations resulted in the following recommendations:
1) in the mixed-flow diffuser, the compression section must be short and compact, and must be located at the diffuser inlet where the boundary layer is thin; 2) to prevent flow separation, the cross sectional area at the end of the diffuser where the boundary layer thickness is greatest must be kept to a minimum; 3) in order to preserve the velo-

Card 1/2

ACC NR: AP7000286

city in the radial part of the diffuser, it is necessary to decrease
the width by an inverse proportion to the increase in the radius.
Orig.art.has: 1 figure and 6 formulas.

[WA-76]

SUB CODE: 21/ SUBM DATE: 02Apr65/ ORIG REF: 007/

Card 2/2

MIKHAYLYANTS, O.A.; MOPCOV, D.I.; POPOVICH, A.A.; SHEYKH-ZADE, R.M.

Diabases and spinites from northern Kirgizia as raw materials
for the production of mineral w.c. Sber. nauch. trud. NII po
strci. ASIA no.4:72-7' '63. (MIR 17:2)

U.S.S.R., S. I.

"Investigation of Soviet Scientific Research and Development Institutions Institute of Synthetic Rubber and the Institute of Synthetic Fibers (Sinteznoye snyazhivye). Civil Research, Research in Polytechnic Institute J. V. Stalin, in their vicinity, Leningrad, 1941." (L. M. L., 1941)

SG: Gru. v. 171, "A Survey of Selected Soviet Technical Dissertations Defended at the Higher Educational Institutions,"

MORZOV, D.K., kand.tekhn.nauk, dotsent

Fixing floating ground wires to an operational section.
Nauch.trudy OIIMF no.16:149-160 '58. (MIRA 11:11)
(Anchorage)

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135220003-4

W. G. M., 1960.

Information, the situation in training operations. So far as
possible, I would like to have a copy of the report.
(Enclosed)

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135220003-4"

MOROZOV, D.K.

Determining the required number of scows for removing soil.
Gidrotehnika no.2:87-94 '62. (MIRA 16:5)
(Scows) (Dredging)

ACC NR: AP7001394

(A,N)

SOURCE CODE: UR/0413/66/000/021/0068/0068

INVENTORS: Brodovskiy, V. N.; Morozov, D. M.; Perikov, L. M.; Rybkin, Yu. P.

ORG: none

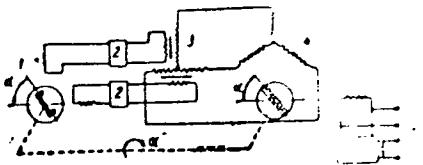
TITLE: A reversing contactless tachometer-generator. Class 21, No. 187878

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, '66, 68

TOPIC TAGS: tachometer, mag slip, transformer, generator

ABSTRACT: This Author Certificate presents a reversing contactless tachometer-generator consisting of a two-phase synchronous generator, a modulator, transformers, and a contactless mag slip (see Fig. 1).

Fig. 1. 1 - generator; 2 -
modulators; 3 - transformer;
4 - mag slip



To lower the level of the "zero signal," diminish the "dead zone," and to increase the characteristics curvature, the output coils for each phase of the generator are connected to the input sections of the modulators. The outputs of these modulators

UDC: 621.313.12:531.775

Card 1/2

ACC NR: AP7001394

are connected through a T-shaped transformer circuit to a three-phase coil of the mag slip. The output signal is taken from the excitation coil of the mag slip. Orig. art. has: 1 figure.

SUB CODE: 10/ SUBM DATE: 13Dec65

Card 2/2

YELENEV, A.V., inzhener; ZHUYKO, I.S., ekonomist; MUSHNIKOVA, K.S.,
agronom; NIKIFOROV, A.M., agronom; SAGALOVICH, Ye.N., agronom;
SLOBODCHIKOV, D.D., agronom [deceased]; MOBOZOV, D.N., redaktor
[deceased]; BALLOD, A.I., tekhnicheskiy redaktor

[Agronomist's handbook and calendar] Kalendar'-spravochnik agronoma.
Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956. 346 p. (MLRA 10:2)
(Agriculture--Handbooks, manuals, etc.)

AUTHOR:

Morozov, Dmitriy Nikoilevich, Candidate SOV. 161-18-1-12, 13
of Technical Sciences, Assistant at the Chair of General
Electrical Engineering at the Moscow Institute of Power
Engineering

TITLE:

On the Computation of the Mechanical Characteristics of a
Slip-ring motor Clutch With Salient Poles (Gear) (K vyscheta
mechanicheskikh kharakteristik vynopolyusnoy el. tormashinnyj
magnitny - r'zhchit'ya)

PERIODICAL:

Vuchayushchiy vynokh zhurnaly, Elektroelektronika i avtomatika,
1960, № 1, pp. 125 - 137 (U.S.S.R.)

ABSTRACT:

An analytical formula is deduced for the dependence of the
moment upon the slip and upon the parameters of an electric
dynamical clutch with salient poles and with an external
resistance in the armature circuit. The reduction of the
parameters of a machine with salient poles to that of an
equivalent machine without salient poles (with respect to the
moment and the power) is founded. This permits to apply the
simple relations holding for a machine without salient poles
in the investigation of a clutch with salient poles. It was
proved in the test runs checking the performance of a model

Card 1/4

On the Computation of the Mechanical Characteristics SIV 161 - 8-11a, 11
of an Electrodynamical Clutch With Salient Poles (Gear)

plant for the frequency stabilization of an alternator with an electrodynamical clutch (gear) that the formulae of computation and the relations are correct. (Ref. 2). Function and its mode of operation is described. The three-phase winding of the armature has three slip rings by which the external resistances are free to rotate with the relative velocities of the drive shaft and the driven shaft. The magnetic clutch moment, which transmits the rotation from the drive to the driven shaft depends upon the slip and the intensity of the magnetic field in the clutch. The mechanical characteristics of an unsaturated clutch with salient poles and a linear resistance in the armature circuit are investigated. Equation (3) is derived for the torque of the synchronous generator with salient poles at a variable speed. If an additional inductivity is inserted into the armature circuit both the transverse and the longitudinal resistance of the machine is increased by the additional reactive phase resistance x_{load} . Formula (5) is deduced. Its analysis shows, that the reduced synchronous resistance x_c is not

Card 2/4

On the Computation of the Mechanical Characteristics
of an Electrodynamical Clutch With Salient Poles (Gear) SCV 161-.-1-17, 33

only dependent upon the longitudinal and the transverse reactance, but also upon r^2/s^2 , although this term has no considerable influence upon x . s denotes the slip = the relative angular velocity of the clutch field, r denotes the total effective phase resistance in the armature and in the load resistance. The variation of the torque (and the velocity of the drive shaft) is attained by a variation of the exciter current and of the armature effective resistance in the clutch. The introduction of an additional inductive resistance into the armature is not advisable. The linear characteristics of the magnetic circuit permit to achieve a torque proportional to the square of the exciter current. Thus, the variation limits of the exciter current are rendered more narrow. There are 2 figures and 2 references, which are Soviet.

ASSOCIATION:

Kafedra vishchey elektrotekhniki Morskovskogo energeticheskogo instituta (The Chair of Electrical Engineering at the Moscow Institute of Power Engineering)

Card 3/4

On the Computation of the Mechanical Characteristics
of an Electrodynamical Clutch With Salient Poles (Gear) SW. 161 - ,c-1-16 1/2

SUBMITTED: January 14, 1958

Card 4/4

8(5)

AUTHOR: Morozov, D. N., Candidate of Technical Sciences, Assistant SOV/161-58-3-14/27

TITLE: The Operation of Electromechanical Couplings, Which Stabilize the Number of Rotations With the Release of the Energy of Sliding to the Direct Current Mains (Rabota elektromashinnoy mifty, stabiliziruyushchey skorost' vrashcheniya, s otdachey energii skol'zheniya v set' postoyannogo toka)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Elektromekhanika i avtomatika, 1958, Jr 3, pp 135-142 (USSR)

ABSTRACT: It is pointed out that electromechanical couplings may, if conditions are suitable, be used as stabilizers of frequency and voltage in generators, in which case according to a suggestion made by A. N. Larionov, the sliding energy is transferred to the direct current mains. The basic scheme of such a device is given (Fig 1). The electric wiring scheme (Fig 2) represents coupling as a three-phase generator, to the three phases of which adjustable ohmic resistances are connected which are, in turn, connected with a transformer the primary winding number of which may be varied. The three-phase current is rectified by rectifiers. By changing the transmission ratio of the trans-

Card 1/3

The Operation of Electromechanical Couplings, Which Stabilize the Number of Rotations With the Release of the Energy of Sliding to the Direct Current Mains
SOV 161-58-3-14/27

former and of the three resistances it is possible to regulate the direct current voltage. Specifically, the transformer is developed as an electromechanical coupling with rotor and stator, and the ohmic resistances have a nonlinear characteristic. By means of supplementary wiring diagrams (Figs 3,4) the mode of operation of the system is explained and the magnitude of the moment transferred by the coupling is calculated by means of a vector diagram (Fig 5). Two diagrams (Fig 6) give the characteristics of the coupling for various modes of operation, and finally the efficiency of the coupling is dealt with (Fig 7). Various ways of regulating the coupling, and the influence exercised by loads in the direct current mains is taken into account. There are 7 figures and 3 Soviet references.

This article was recommended for publication by the Kafedra obshchey elekrotekhniki Moskovskogo energeticheskogo instituta (Chair for General Electrical Engineering at the Moscow Institute for Power Engineering)

Card 2/3

SOV/161-58-3-14/27

The Operation of Electromechanical Couplings, Which Stabilize the Number of Rotations With the Release of the Energy of Sliding to the Direct Current Mains

ASSOCIATION: Kafedra obshchey elektrotekhniki Moskovskogo energeticheskogo instituta (Chair for General Electrical Engineering at the Moscow Institute for Power Engineering)

SUBMITTED: January 14, 1958

Card 3/3

MOROZOV I. N.

ANVEL'T, Moyya Yur'yevich; GERASIMOV, Viktor Grigor'yevich; ZAYDEL',
Khristina Eduardovna; KOGEN-DALIN, Vladimir Viktorovich; LYSOV,
Nikolay Yegorovich; MOROZOV, Dmitriy Nikolayevich; NITUSOV,
Yevgeniy Vasil'yevich; PANTYUSHIN, Vasiliy Sergeyevich, prof.;
PUKHLYAKOV, Yuriy Kharlampiyevich; SMIRNOV, Vladimir Aleksandrovich;
UTKIN, Ivan Vasil'yevich; SHAROKHIN, Grigoriy Ivanovich;
KASATKIN, A.S., retsenzent, red.; BORUNOV, N.I., tekhn.red.

[Electrical engineering; general course] Elektrotekhnika;
obshchii kurs. Pod red. V.S.Pantiushina. Moskva, Gos.energ.
izd-vo, 1959. 632 p. (MIRA 13:1)
(Electricity)

MOROZOV, Dmitriy Nikolayevich; KRAYZ, A.G., red.; NIKOLAYEVA, N.I.,
red.; LARIONOV, G.Ye., tekhn. red.

[Additional losses in construction elements of transformers
due to stray fields] Dobavochnye poteri v elementakh kon-
struktsii transformatora ot polei rasseyaniia. Pod red. A.G.
Kraiza. Moskva, Gosenergoizdat, 1962. 103 p. (Energetika
za rubezhom, no.8) (MIRA 15:7)

(Electric transformers)

MANIKU, G., radi. tekn. inž.; MUDR. inž., závod. tekn. návazí
PPK, Č.V., inžl.

Additional losses in power transformer cores during short
circuit tests. Elektri negative no. 11.31.27. P. 164. (MATA 1963)

Additional losses in power transformer cores during short
circuit tests. Elektri negative no. 11.31.27. P. 164. (MATA 1963)

MAN'KIN, E.A., kand.tekhn.nauk; MOROZOV, D.N., kand.tekhn.nauk; ALFERDOVA, A.Y.,
inzh.

Distribution of leakage flux and additional losses in the cores of
large transformers under load conditions. Elektricheskoe no.9-68-70
S '65. (MIRA 18:10)

1. Vsesoyuznyy elekrotekhnicheskiy institut im. lenina.

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135220003-4

MANIFIN, S.Y., kand. tekhnicheskij MORGOV, S.M., kand. tekhnicheskij ALFEROV, A.V.,
Inzh.

Additional eddy current losses in transformer oil tank, *Elektronika*
36 no. 10:16-19 0-165. (M134 18.10)

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135220003-4"

MOROZOV, Dmitry Petrovich

Electric motors

DECEASED

c. 63

1964

MOROZOV, D.Z.

Motor scooters in the delivery of mail. Vest. sviazi 21
no.1:26 Ja '61. (MIRA 15:5)

1. Kontroler otdela ekspluatatsii Bakinskogo pochtamta.
(Bakino—Postal service) (Motor scooters)

LAMM, Ya.E., kand.med.nauk; MOROZOV, E.F.

Use of muscle relaxants in traumatism. Zdrav. Kazakh. 21 no.8:
11-14 '61. (MLA 14:9)

i. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent N.V.Ionov)
Karagandinskogo meditsinskogo instituta i Karagandinskoy oblastnoy
klinicheskoy bol'nitsy.
(MUSCLE RELAXANTS) (TRAUMATISM)

MOROZOV, E.F.

Effect of colimycin on the motility of the gastrointestinal tract.
Antibiotiki 9 no.1:41-44 Ja '64.
(MIRA 18:3)

1. Kafedra farmakologii (zav. - prof. A.D.Shteynberg) i kafedra
fakul'tetskoy khirurgii (zav. N.V.Ionov) Karagandinskogo medi-
tsinskogo instituta.

MOROZOV, E.F.

Effect of neomycin :colimycin on gastric secretion. Antisobaki
10 no.11:1027-1030 N '65.

MGRA 19:1

1. Kafedra farmakologii 'zav. - prof. A.D. Shteynberg' i kafedra
fakul'tetskoy khirurgii 'zav. M.V. Tsvetkov' Karazandinskogo mechi-
tsinskogo instituta. Submitted March 1, 1965.

MOROZOV, E. M.

"Prostheses and the Condition of Invalids in Russia Before the 20th Century."
Sub 6 Mar 51, Central Inst for the Advanced Training of Physicians.

Dissertations presented for science and engineering degrees in Moscow
during 1951.

SC: Sum. No. 480, 9 May 55.

MICHAEL, E. N.: Master Phys-Math Col ("mpc") -- "Conditions for the convergence
of successive & linear positive algorithms in case of continuous functions of
functions of two variables". Moscow, 1957. 7 pp. (Moscow City Polytechnical Inst
[in V. I. Petushkin], 1957 series [N. No. 1], 1957, 1957)

RAMODIN, V.N., inzh; MOROZOV, E.N., inzh.

~~Methods and examples of establishing advanced time norms for mechanized loading and unloading of grain from cars. Trudy TSMII MPS no.151:159-182 '58.~~ (MIRA 11:12)
(Loading and unloading) (Grain--Transportation)

MOROZOV, E.N., inzh.

Methods and examples of establishing advanced time norms for
mechanized loading and unloading of all-purpose containers
from cars. Trudy TSMII MPS no.151:241-267 '58. (MIRA 11:12)
(Loading and unloading) (Containers--Transportation)

MOROZOV, E.N., inzh.

New car dumpers. Mekh.i avtom.prizv. 16 no.2:51-53 f 162.
(MIRA 17:3)

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135220003-4

MORSE, P.M., 1.21.

Automatic unloading of freight with an inertia unloading machine.
(MIRA 10-10)
Meir, Lev, 18 no. 2, 7-9 Ag 16..

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135220003-4"

MOROZOV, E.N., inzh.

Automatic optimization of the performance of the inertia
unloader developed by the Central Scientific and Research
Institute of the Ministry of Railroad Transportation. Vest.
TSNII MPS 23 no.4:53-55 '64. (MIRA 17:8)

LEPSKIY, A.V.; BORODULINA, Ye.V.; UGODIN, Ye.G.; PLYUKHIN, D.S.; MOROZOV, E.N.; DRUGAL', S.A.; KHARITONOV, Ye.V.; RAMODIN, V.N.; CHUPRIKOV, S.A.

[Over-all mechanization and automation of the unloading of bulk freight.] Kompleksnaia mekhanizatsiia i avtomatizatsiia vygruzki sypuchikh gruzov. Moskva, Transport, 1964. 182p. (Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta, no.285).

(MIRA 17:12)

MOROZOV, F.

Problem of complex forestry in the Soviet Union. Les cas 9
no.8:763-767 Ag '63.

1. Kirovova lesnicka akademie, Leningrad.

MOROZOV, F.I. (Moskva)

Mutual help. Priroda 50 no.8:115-116 Ag '61.
(Birds, Protection of)

MIRA 14:7}

BELEN'KII, YA. M., Eng., MOROZOV, V. I., Eng.,
KURKCHI, I. O., Archt.

Reinforced Concrete Construction

Moscow plants for large-scale reinforced concrete products. Biul.stroi.tekh. 9 no. 15, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

MOROZOV, F. I.

Cutters with mechanical fastening. Stan. i instr. vol. 24 no. 9:32 S '53.
(MLRA 6:10)
(Metal cutting)

MOROZOV, F.I.

Cutter with a mechanical chuck. Stan.1 instr. 24 no.11:25 N '53.
(MLRA 6:12)
(Cutting tools)

RYN'KOV, R.N.; MOROZOV, F.I.

Use of mineral-ceramic cutting-tools Stan. i instr. 26 no.5:
17-19 My '55.
(MIRA 8:8)
(Metal-cutting tools)

MOROZOV, F.I.

Rolling-in in place of soldering. Stroi. i dor.mashinostr. 1
no.12:31 D '56. (MLRA 10:1)
(Pipe fitting)

MOROZOV, F. I.

New designs for powdered metal bits and holders. Stroili dor.
mashinostr. no.9:20-21 S '56. (MLRA 9:11)
(Cutting tools)

S/123/60/000/02/04/01

Translation from: Referativnyy zhurnal. Mashinostroyeniye. 1960, No 2,
p. 79, # 5601

AUTHOR: Morozov, F. I.

TITLE: The Practice of Using Mineral-Ceramic Cutting Tools at the
Moscow Mechanical Engineering Plant im. Kalinin

PERIODICAL: V sb.: Rezaniye mineralokeram. instrumentami. Moscow:
Oborongiz, 1958, pp. 60-64

TEXT: The author describes the practice of the plant in the field
of manufacturing and using mineral-ceramic tools, in particular new
shapes of tool bits. The use of these bits in production proved their ✓
superiority to those manufactured according to the ГОСТ(GOST) standard
New tool designs are cited with mechanical fastening of the mineral.
ceramic bits. The author points out the high grinding costs for these
bits owing to the fact that there are no special grinding machines.
He states that a machine for grinding and honing the gangs of bits

Card 1/2

S/123/60/000/02/04/015

The Practice of Using Mineral-Ceramic Cutting Tools at the Moscow
Mechanical Engineering Plant im. Kalinin

is being designed and built at the plant. Measures are indicated which
are necessary for ensuring a widespread introduction of mineral ceramics. ✓
There are 5 figures.

O. A. B.

Card 2/2

PHASE I BOOK EXPLOITATION SOV/TECH

Moscow. Dom nauchno-tehnicheskoy propagandy.

Vysokopredvoditel'nyy rezhushchiy instrument [sbornik] (Highly Productive Cutting Tools: Collection of Articles) Moscow, Mashgiz, 1961. 354 p. Errata slip inserted. 10,000 copies printed.

Sponsoring Agency: Goschchestvo po rasprostraneniyu politicheskikh i nauchnykh znanii RSFSR. Moskovskiy dom nauchno-tehnicheskoy propagandy imeni F. E. Dzerzhinskogo.

Ed. (Title page): N. S. Degtyarenko, Candidate of Technical Sciences; Ed. of Publishing House: I. I. Lesnichenko; Tech. Ed.: Z. I. Chernov; Managing Ed. for Literature on Cold Treatment of Metals and Machine-Tool Making: V. V. Pshavinskiy, Engineer.

PURPOSE . This collection of articles is intended for technical personnel of machine, tool, and tool plants.

Card 1/6

Highly Productive Cutting Tools (Cont.)

SOV/5581

COVERAGE. The collection contains information on the following: new brands of high-speed steels and hard alloys; designs of built-up tools and tools for the machining of holes; tools for machining heat-resisting and light-metal alloys and plastics; tools for unit-head machines and automatic production lines; and methods for the sharpening and maintenance of carbide-tipped tools. Many utilities are mentioned. There are 56 references, mostly Soviet. References accompany some of the articles.

TABLE OF CONTENTS.

Foreword

3

I. NEW BRANDS OF HIGH-SPEED STEELS AND HEAT ALLOYS

Geller, Yu. A. [Doctor of Technical Sciences, Professor] Highly Productive High-Speed Steels

Card 2/6

Highly Productive Cutting Tools (Cont.)

SOV/5581

Smirnov, F. F. [Candidate of Technical Sciences]. New Types of
Carbide Alloys for Cutting Tools

22

II BUILT-UP TOOLS AND TOOLS FOR MACHINING HOLES

Akimov, A. V. [Candidate of Technical Sciences]. Advanced Designs
of Single-Point Tools

43

Morozov, F. I. (From the Experience of the Zavod imeni Kalinina--
Plant imeni Kalinin). Application of Ceramic Materials

65

Yeremeyeva, N. M. Geometry of Tools for the Machining of Holes

79

Fadyushin, I. L. Carbide-Tipped Boring Tools for Machining Holes
in Frame-Type Parts

90

Erenkrants, L. G. Tool Designs for Machining Precision Holes

111

Markov, R. I. New Design of a Broach With Carbide Blades

128

Card 3/6

KARATAYEV, N.K., doktor ekon.nauk; POLYANSKIY, F.Ya., doktor istor.nauk;
TSAGOLOV, N.A., doktor ekon.nauk; VLASOV, N.A., kand.ekon.nauk
[deceased]; KORNIYENKO, A.A., kand.ekon.nauk; MOROZOV, P.M.,
kand.ekon.nauk; FLITSYMA, K.T., kand.ekon.nauk; PODOROV, G.M.,
kand.ekon.nauk; CHUBUK, I.F., kand.ekon.nauk; PASHKOV, A.I., red.;
ZHUK, I., red.; MOSKVINA, R., tekhn.red.

[History of Russian economic thought] Istoryia russkoi ekonomi-
cheskoi mysli. Pod red. A.I.Pashkova i N.A.TSagolova. Moskva,
Izd-vo sotsial'no-ekon.lit-ry. Vol.2. [Epoch of premonopolistic
capitalism] Epokha domonopolisticheskogo kapitalizma. Pt.1.
1959. 526 p. (MIRA 13:5)

1. Akademiya nauk SSSR. Institut ekonomiki.
(Economics)

BLYUMIN, I.G., doktor ekon. nauk, prof.[deceased]; VASILEVSKIY, Ye.G.,
kand. ekon. nauk, dotsent; KAFENGAUZ, B.B., doktor istor. nauk,
prof.; MINDAROV, A.T., kand. ekon. nauk, dotsent; MOROZOV, F.M.,
kand. ekon. nauk, dotsent; POLYANSKIY, F.Ya., doktor istor. nauk,
prof.; UDAL'TSOV, I.D., prof., red. [deceased]; OZIRA, V.Yu., red.;
GEORGIYEVA, G.I., tekhn. red.

[History of economic thought] Iстория экономической мысли; курс
лекций. Москва, Изд-во Моск. унив. Пт.1. 1961. 511 p.

(MIRA 14:10)

(Economics)

AL'TER, L.B., doktor ekon. nauk; BLYUMIN, I.G., doktor ekon. nauk [deceased]; KARATAYEV, N.K., prof.; REUEL', A.L., doktor ekon. nauk; STEPANOV, I.G., doktor ekon. nauk; SHTERN, V.M., doktor ekon. nauk; POLYANSKIY, F.Ya., doktorist. nauk; BOBKOV, K.I., kand. ekon. nauk; VASILEVSKIY, Ye.C., kand. ekon. nauk; MOROZOV, F.M., kand. ekon. nauk; PONOMARENKO, Ye.I., kand. ekon. nauk; RYNDINA, M.N., kand. ekon. nauk; FIRSOVA, S.M., kand. ekon. nauk; TSAGA, V.F., kand. ekon. nauk; ZHUK, I., red.; VOSKRESENSKAYA, T., red.; NEZNANOV, V., red.; ULANOVA, L., tekhn. red.

[History of economic theories] Istorija ekonomicheskikh uchenii. Moskva, Sotsekgiz, 1963. 549 p. (MIRA 17:2)

1. Akademiya nauk SSSR. Institut ekonomiki.

PHASE I BOOK EXPLOITATION

SOV/5958

2

Shtoda, Andrey Vladimirovich, Docent, Candidate of Technical Sciences,
Stepan Pavlovich Aleshchenko, Aleksandr Yakovlevich Ivanov, Vsevolod
Semenovich Krasavtsev, Fedor Nikolayevich Morozov, Viktor Anatol'yevich
Sekistov, and Aleksandr Georgiyevich Shiukov

Konstruktsiya aviatsionnykh gazoturbinnikh dvigateley (Construction of Aircraft
Gas-Turbine Engines) Moscow, Voenizdat M-va obor. SSSR, 1961. 411 p.
Errata slip inserted. No. of copies printed not given.

Ed.: D. A. Novak; Tech. Ed.: R. L. Solomonik.

PURPOSE: This textbook is intended for the engineering, technical, and flying
personnel of the Soviet Air Force, Civil Air Fleet, and All-Union Voluntary
Society for the Promotion of the Army, Aviation, and Navy. It may also be
useful to students at aeronautical schools.

COVERAGE: General information on the construction of Soviet and non-Soviet
aircraft gas-turbine engines is presented. Soviet engines considered are the

Card 1/6

Construction of Aircraft (Cont.)

SOV/5958

RD-10, RD-20, RD-500, RD-45, VK-1, AI-20, AM-3, and AM-5. The book was written as follows: Foreword, by A. V. Shtoda; Chs. I and VII, by A. G. Shiukov and V. S. Krasavtsev; Ch. II, by V. A. Sekistov; Ch. III, by S. P. Aleshchenko; Chs. IV and V, by F. N. Morozov; Ch. VI, by V. S. Krasavtsev; Ch. VIII, by A. V. Shtoda, V. A. Sekistov, and A. G. Shiukov; and Ch. IX, by A. Ya. Ivanov, all Docents and Candidates of Technical Sciences. The authors thank I. T. Denisov for his assistance. There are 44 references: 23 Soviet (including 2 translations), 17 English, 1 French, 1 German, and 2 unidentified.

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MOROZOV, F. N.

USSR/Medicine - Cestodes
Medicine - Physiology

Mar 1948

"Substitution of Index Functions of Nipples in Cestode Apleparaksis Sobolevi Nov.
Sp., "P. G. Oshmarin, F. N. Morozov, Gorkiy Pedagogic Inst, 3 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LIX, No 3

Describes experiments confirming that this form of cestode only to be found in
the fantail snipe (*Capella gallinago*) and localized in the duodenum. Sub.
by Academician K. I. Skryabin, 17 Jan 1943

PA47T95

MOROZOV, F. N.

Morozov, F. N. and Kryukova, K. A. "On the problem of the biology of *Dictyocaulus viviparus*", Sbornik rabot po gel'mintologii (Vsesoyuz. in-t gel'mintologii im. akad. Skryabina), Moscow, 1948, p. 131-38.

SO: U-3042, 11 March 53, (Letopis'nykh Statey, No. 10, 1949).

MOROZOV, F. N.

Parasites - Wolves

Helminthes of wolves of the Mordvinian State Preserve. Trudy Gel'm. lab. no. 5,
1951.

Mon^{thly} List of Russian Accessions Library of Congress, September 1952. UNCLASSIFIED

USSR / Zooparasitology - Helminths.

G-2

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38600

Author : Morozov, F. N.

Inst : Not given.

Title : Biology of Prosthogonimosis Vector.

Orig Pub: Uch. zap. Gorkovsk. gos. ped. in-ta, 1957, 19, 23 -
25.

Abstract: From eggs of Prosthogoniumus ovatus at room temperature, hatching of freely moving cilia-covered miracidies was observed in 2 days. Miracidies evidently actively penetrate an intermediate host.

Card 1/1

26

USSR / Zooparasitology. Parasitic Worms.

G-2

Abs Jour : Ref Zhur - Biol., No.8, 1958, No 33933

Author : Morozov, F. N.

Inst : Not given

Title : Helminthofrune of Moles of the Gorkov District. -- K golin-
mintofrune krotov Gorkovskoy oblasti.

Orig Pub : Uch. zap. gorkovsk. gos. ped. in-t, 1957, 19, 27-29.

Abstract : 55 moles were dissected, in which 3 species of helminths
were found (Ithyconimus larva, Hymenolepis sp., Porrocoecum sp. larva).

Card 1/1

MOROZOV, F.N.

New trematodes of fish eating birds in Kamch.
no.27:5-12 '60.
(Kamchatka--Trematoda)

Uch.zap.GGPI
(MIRA 15:3)

MOROZOV, F.N.; MOROZOV, Yu.F.

Morphology of the larvae of *Dictyocaulus viviparus* (Bloch, 1782),
D.Eckerti Skrjabin, 1931. Uch.zap.GGPI no.27:13-15 '60.
(MIRA 15:3)
(Nematoda)

MOROZOV, F.N.

Geographical distribution of trematodes of the superfamily Heterophyoidea Faust, 1929. Uch. zap. GGPI 48:3-38 '64.

(MIRA 18:4)

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135220003-4

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135220003-4"

USSR, . . . 19.

USSR/Medicine - Veterinary

FD-4 (0)

Card 1/1 : Pub 137 - 11/24

Author : Morozov, F. Ye.

Title : Therapy in cases of snake bites

Periodical : Veterinariya, 7, 34, Jul 54

Abstract : Potassium permanganate is not very satisfactory in the treatment of snakebite. Antianthrax serum, injected into the swelling, produces more satisfactory results. The following dosages of antianthrax serum are suggested: for adult horses, 100-150cc; for colts, 50-100 cc; for cattle, 80-100cc; for sheep and goats, 40-80cc.

Institution : Village of Oktyabr'skoye, Dzhalal-Abadskaya Oblast, Kirghiz SSR

Submitted :

MORSE, J. A.; RUSSIAN LIBRARY, WASH.

2. 1953

3. 1953

4. 1953

9. Monthly List of Russian Accessions, Library of Congress, _____ 1953, Unclassified.

S/187/59/000, 012, 011/005
D053/D113

AUTHORS: Alekseyev, I.A., and Morozov, G.A.

TITLE: On the home development of television electrovacuum devices
for broadcast and industrial television

PERIODICAL: Tekhnika kino i televideniya, no. 12, 1959, 1-11

TEXT: This article is a review of the development of television electrovacuum devices in the USSR from the late 20's to 1959. The authors describe in chronological order all types of camera tubes, picture tubes and television projectors developed during this period and cite the names of 43 Soviet personalities, with references to their works, who participated in the development of Soviet television. Most research work was carried out in the Leningradskiy televizionnyy institut (Leningrad Institute of Television), the Zavod "Svet'ana" ("Svetlana" Plant) and the Laboratoriya K.N. Yanchevskogo (K.M. Yanchevskiy Laboratory). All types of tubes developed and/or produced are tabulated. The following conclusions are drawn: The reviewed data indicate that a large assortment of television camera tubes

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S/187/59/CUC 1.2, 111/003
DO53/D113

On the home development

and picture tubes is now available for designing diverse television equipment. Nevertheless, it is necessary to improve the existing tubes, in particular to considerably increase the general and contrast sensitivity of camera tubes and the brilliancy and resolution of picture tubes. Another problem is to further decrease the inertia and to improve the picture background in vidicons. There are 5 figures, 4 tables and 36 references: 35 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: P. Schagen and others, The "Scenioscope" a new television camera tube, Philips Technical Review, 17, No. 7-8, 1956.

MOROZOV, G.A.

Sulfur-bearing fuels and oils in diesel engines. Khim.i tekhn.
topl.i masel 5 no.5:68-69 My '60. (MIRA 13:7)
(Diesel fuels)

PHASE I BOOK EXPLOITATION

SOV/6265

Morozov, Georgiy Andreyevich

Primeneniye sernistykh topliv v dizelyakh (Use of Sulfurous Fuel in Diesel Engines) Leningrad, Mashgiz, 1961. 145 p. 4000 copies printed.

Reviewer: V. S. Demchenko, Candidate of Technical Sciences; Ed. of Publishing House: M. P. Yurkevich; Tech. Ed.: O. V. Speranskaya; Managing Ed. for Literature on the Design and Operation of Machines, Leningrad Department, Mashgiz: F. I. Fetisov, Engineer.

PURPOSE: This book is intended for the engineering staff of factories, operation and design organizations, and scientific-research organizations concerned with diesel fuels.

COVERAGE: The book deals with the use of sulfur-containing crudes (mostly from eastern deposits) as a means of increasing diesel-fuel supplies. The text is based on experimental data from the Central Scientific Research Diesel Institute, factories, and scientific-

Card 1/3

Use of Sulfurous Fuel in Diesel Engines

SOV/6265

research organizations, and on the work performance of various types of diesel engines (mostly for locomotives and ships, and stationary diesels). Material from Soviet and non-Soviet literature is also included. A part of the text is devoted to oil additives. There are 37 Soviet and 10 non-Soviet references.

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AVAILABLE: Library of Congress	
SUBJECT: Fuels	

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BN/jho/jw
5/6/63

3/081/62/000/005/089/112
B162, B101

AUTHOR: Morozov, G. A.

TITLE: Technical requirements for the quality of diesel fuels and oils and results of tests on certain additives

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 55.
abstract 5M227 (So. "Irisadki k masljam i toplivam".
M., Gostoptekhizdat, 1961, 12-19)

TEXT: The results are given of motor tests on sulfur fuels and oils using different industrial experimental additives, on the basis of which a diagram is drawn up showing which oil can be used with which additives for each group of diesel engines when utilizing fuels with different S content. The main quality requirements for diesel fuels are examined. The author draws the conclusion that further investigation should be directed toward the synthesis of additives with high washing and antiwear properties, ensuring the production of lubricating oils for heavy-duty diesel engines operating on sulfur fuel. Abstracter's note: Complete translation.

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26523
S/065/61/000/008/008/009
E194/E135

AUTHORS: Demchenko, V.S., Morozov, G.A., Ivanov, L.F., and Mikutenok, Yu.A.

TITLE: Assessment of the lacquer forming tendencies of lubricating oils

PERIODICAL: Khimiya i tekhnologiya topliv i masel,
1961, No.8, pp. 53-58

TEXT: The authors discuss laboratory tests for assessing the effectiveness of multi-functional additives in heavy duty diesel engine lubricants. One method that has been proposed is due to K.K. Papok; it has been described in ГОСТ(GOST) 4953-49. Later the test was modernised and issued as GOST 9352-60. A very interesting method was described by S.K. Kyuregyan in his dissertation of 1959. Kyuregyan's apparatus preserves all the positive features of the revised Papok method and makes it possible to oxidise the oil in a thin layer on sliding metal surfaces. The present article gives test results with different lubricants on both instruments (Papok and Kyuregyan). The tests were made with lubricant MT-16 (MT-16) made from Emba crude at Card 1/6

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Assessment of the lacquer forming ...

the Mendeleyev refinery and grade DC-11 (DS-11) of high sulphur crude at the Novo-Kuybyshev refinery. The tests were made with experimental additives received from the VNII NP (All-Union Scientific Research Institute of the Petroleum Industry). In the Papok instrument to GOST 9352-60 the thermal and oxidation stability is expressed as the time in minutes during which the oil is converted to a lacquer residue under the test conditions. The lacquering tendency is also measured by the amount of lacquer formed at the end of the test time. Kyuregyan's instrument is illustrated in Fig. 1. The oil sample is a thin (0.1 mm) layer on a ground steel ring 7, placed on a rotating plate 6 which is heated to a given temperature, and the time required for the oil to lose its lubricating properties by evaporation and lacquer formation is measured. The test is continued until there is a sharp increase in the angle of rotation of the loading disc 9, which is supported from the test ring by three aluminium (or iron or brass) supports 8 and is connected by the shaft 10 to the damper 11 and spring 12 which prevent the disc 9 from turning during the test. The time in minutes during which under

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Assessment of the lacquer forming ...

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the test conditions, the oil loses its lubricating properties and is converted into a lacquer film is termed the lacquer formation time. The test results show that the ratio of the Kyuregyan lacquer formation time to the Papok thermal-oxidation stability is not a constant one but the order of rating of the different base oils with and without additives is the same in the two tests. In carrying out tests on the Kyuregyan instrument it was found that the curve of change of angle of rotation of the loading disc with time is different for different specimens. The form of this curve was found to depend primarily on the intensity of the accumulation of oxidation products in the oil. The significance of the shape of this curve was studied by making tests with different kinds of additives including the following and their components: thiophosphorus containing types ДФ-1 (DF-1), ИМ-22 (IP-22), В-353 (V-353), В-354 (V-354) and ЗИТ-1 (ZIT-1). Alkyl-phenolic types В-350 (V-350), АЗНИИ-7 (AzNII-7). Sulphonate types АЗНИИ-5 (AzNII-5) and ПМС-19 (PMS-19). Some of the additives tested were mixtures of thiophosphorus containing compounds and alkyl-phenols. Thus additive В-360 (V-360) consists of the components

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Assessment of the lacquer forming ...

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of V-350 and V-354. Additive B-361 (V-361) is made up of V-350 and V-353. Additive Аз-НII-8 (Az-NII-8) is produced by mixing sulphurised alkyl-phenolate of barium (additive АзНII-7 (AzNII-7)) and barium sulphonate (the surface active component of additive АзНII-5 (AzNII-5)). The additives containing thiophosphorus compounds, which are good anti-oxidants, gave slow reduction in the angle of rotation of the disc in the early part of the test. Oils with alkyl phenols and sulphonates show a marked reduction in the angle of rotation of the disc because these are not anti-oxidant additives and oxidation products are formed from the start of the test. It was found that additives containing thiophosphorus compounds are the best suppressors of lacquer formation. Particularly good results were obtained by adding to the oil an ester of thiophosphoric acid (component V-353) and zinc dithiophosphate (component V-354). The influence of sulphonate additives and mixtures of sulphonate with alkyl phenol is much less but is greater with some feed stocks than with others. Additives and components of the alkyl phenol type (V-350 and AzNII-7) are intermediate in their ability to improve the stability

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Assessment of the lacquer forming ... ²⁶⁵²³
S/065/61/000/008/008/009
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of a thin layer of oil. Test results obtained on a Kyuregyan instrument were in satisfactory agreement with the results of engine tests.

There are 3 figures, 1 table and 5 Soviet references.

X

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PHASE I BOOK EXPLOITATION

SOV/6242

Morozov, Georgiy Andreyevich

Primeneniye dizel'nykh masel s prisadkami (Use of Diesel Fuels Containing Additives). Leningrad, Gostoptekhizdat, 1962.
112 p. 3600 copies printed

Scientific Ed.: N. I. Zelenin; Executive Ed.: G. A. Dayev;
Tech. Ed.: I. M. Safronova.

PURPOSE: This book is intended for technical personnel of the petroleum-refining and diesel-manufacturing industries, and organizations which utilize diesel oils. It may also be used by students of schools for higher technical education.

COVERAGE: The book describes the properties of diesel oils containing additives and gives the results of their testing and operational use in various types of diesels. The text is a generalization of advanced research in processing, testing, and utilizing new types of diesel oils and additives. No PERSONALITIES ARE MENTIONED. THERE ARE 60 REFERENCES: 51 SOVIET, 7 ENGLISH,

Card ~~_____~~ AND 2 GERMAN.

KUTS, V.S., gornyy inzh.; MOROZOV, G.A., inzh.-elektromekhanik

Result of attaching a compressor to the BMP-115 rig. Gor.zhur.
no.5:71 My '62. (MIRA 16:1)

1. Goroblagodatskoye rudoupravleniye, g. Kushva, Sverdlovskoy
obl.
(Boring machinery—Equipment and supplies)
(Air compressors)

S/750/62/000/000/003/011

AUTHOR: Morozov, G.A.

TITLE: Wear and corrosion of high-speed Diesel engines operating on high-sulfur fuels, and technical specifications for fuels and lubricants.

SOURCE: Bor'ba s korroziyey dvigateloy vnutrennego sgoraniya i gazoturbinnyykh ustanovok. Vses. sovet nauchn.-tekhn. obshchestv. Moscow. Mashgiz, 1962, 71-79.

TEXT: Tests were performed at the ЦНИИДИ (TsNIDI) with fuels with 1.4-1.6% S content in Diesel engines of the type 4Ч-10, 5/13 (4Ch-10.5/13). 150-hour tests with 1.6%-S fuel and Д-11 (D-11) Baku and ДС-11 (DS-11) S-containing Eastern-crude lubricants indicated that: (a) ЦНАТИМ - (TsNATIM-) 339 and АзНИИ - (AzNII-) 7 additives reduced wear and deposits slightly, but not sufficiently; (b) less wear and cleaner pistons were obtained with a 6% addition of БННН НП - (VNII NP-) 360 or 4.5% МННН НП - (MNII IP-) 22 to the DS-11 lubricant. Carbon and gum deposits and piston-ring wear were reduced to a level comparable with that obtained with standard ГОСТ (GOST) 305-42 fuel. However, cylinder-lining wear remained at 50% above standard. Short-run tests with the ПМС-19 (PMS-19) additive indicated its outstanding detergent qualities but less conspicuous wear-reducing qualities.

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Wear and corrosion of high-speed Diesel engines... S/750/62/000/000/093/011

M. D. Nikitin's and G.G. Nikiforov's findings at TsNIDI indicate that wear in high-S-fuel operation is minimized if a nitrided cylinder lining and one chrome-plated piston ring are used, and that good results are obtained with a nitrided cylinder lining and a plain ring, also with a chrome-plated lining and a nitrided ring. Premature aging of the lubricant due to high-S fuel can be inhibited by frequent (75-hr) replacement of the fine oil-filter cartridge or by centrifugal purification of the oil. TsNIDI recommends that Diesel-engine-building plants test their production engines for operation with Diesel fuels containing up to 1% S with lubricants containing VNII NP-360 additive, that protective nitriding and chrome-plating of the cylinder lining and of the upper piston ring be employed, and that frequent replacement of the fine oil-filter cartridge and centrifugal oil purification be employed. Fuels with up to 1% S can be employed if: (a) Baku-oil lubricant with an effective additive is used; (b) DS-11 lubricant is used in 2D100 2-stroke locomotive engines with VNII NP-360 or another equally effective additive. Fuels with more than 1% S may be made usable if: (a) additives are used in both the fuel and the lubricant; (b) more effective lubricant additives are developed, e.g., sulfonate additives, in conjunction with effective anti-oxidation additives; (c) chrome-plating, nitriding, or other wear-reducing measures are taken. The problem of using S-rich fuels in modern high-performance Diesel engines, such as those produced by the Kolomenskoye plant, is not yet definitively resolved. Following are the quality requirements

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Wear and corrosion of high-speed Diesel engines... S/750/62/000/000/003/011

that must be imposed on Diesel fuels, lubricants, and additives; (1) The basic Diesel fuel is that of the GOST 305-58 type, with no more than 1% S for the summer fuel and no more than 0.6% S for the winter fuel; however, this fuel must be improved over the next 7 years with a lower terminal b.p., a lower ash content, an increased cetene number, especially for the winter fuels (to improve starting characteristics). (2) The present classification of engine lubricants into automotive, tractor, Diesel, and aviation lubricants is not consistent with their actual employment; it appears more desirable to classify them according to the temperature, load, and operational characteristics of the engine and the type of fuel employed, as follows: No. 1 Lubricants (extra-heavy-duty) for high-performance Diesel engines operating under variable loads with S-containing fuel; this should include the Diesel engines of the Kolomenskoye plant and D-100 high-performance Diesels, a number of newly-designed highly-supercharged Diesels, and engines of the types 2D 100, M-50, etc., operating on fuels with a S content in excess of 1%; there are no such lubricants at this time; No. 2 Lubricants (heavy-duty) which, fortified with VN'I NP-360 additive, are used in 2D 100, M-50, etc., engines with fuels containing not more than 1% S; No. 3 Lubricants (regular) used in low-power engines of the 2D 100, M-50, etc., types when operated on fuels containing no more than 0.2% S. The viscosity, detergence, and Pinkevich corrosivity numbers for each of the three proposed lubricant categories are tabulated. Of the three Soviet additives,

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Wear and corrosion of high-speed Diesel engines... S/750/62/000/000/003/011

the AzNII-4 and AzNII-TsIATIM-1 (which comprise 50% of the total Soviet additive production) are termed so ineffective that immediate cessation of their production is recommended; the third, TsIATIM-339, is found suitable for light-duty operation, pending mass production of a more effective additive, such as the VNII NP-360, for the 1960-65 period and more effective additives thereafter. There are no truly effective fuel additives in production at this time. Experimental samples of Zn naphthenate and VNII NP-111 additives are either not sufficiently effective or relatively untried. Test-stand experiments with ammonia-gas-enriched intake are termed encouraging. There are 3 figures, 5 tables, and 1 Russian-language Soviet reference.

ASSOCIATION: None given.

Card 4/4

MOROZOV, G.A.; BEZDOL'NAYA, Ye.I.

Rate of consumption of neutralizing additives in oil. Khim.
i tekhn. topl. i masel 8 no.6:57-60 Je '63. (MIRA 16:6)

1. TSentral'nyy nauchno-issledovatel'skiy dizel'nyy institut.
(Lubrication and lubricants—Additives)

L-47729-65

EWT(n)/EPF(c)/T Pr-4 DJ/WE

ACCESSION NR AM5000997

BOOK EXPLOITATION

32
30
S/
B+1Morozov, Georgiy Andreyevich

Using fuels and oils in diesel engines (Primeneniye topliv i mazel v dizelyakh),
Leningrad, Izd-vo "Nedra", 1964, 329 p. illus., bibliog. 3000 copies printed.

TOPIC TAGS: diesel engine, diesel fuel, corrosion, fuel combustion, fuel evaluation, fuel oil

PURPOSE AND COVERAGE: This book cites the physical-chemical and use properties of diesel fuels and lubricants, and the results of their tests, and their use in various types of diesels. Special attention is given to the problems of using sulphurous fuels, struggle against corrosion and carbon formation in diesels and antisulphur additions to fuels or lubricants. The book is compiled from advanced experience of plants, research institutes, organizations using engines and from materials published in domestic and foreign literature. The book is intended for engineers and technicians of the oil refining and diesel building industries concerned with the use of fuels and oils in diesels and can also be useful to students of higher technical educational institutions.

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SUBMITTED: 1 Mar 64

SUB CODE: OC, PR

NO REF SOV: 199

OTHER: 068

P
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L 29524-66 EWT(1) IJP(c) AT

ACC NR: AP6010206

SOURCE CODE: UR/0201/66/000/001/0119/0120

AUTHOR: Avdeyev, V. N.; Kasparov, K. N.; Morozov, G. A.; Staroverova, V. N.

71

ORG: Laboratory of Electronics AN BSSR (Laboratoriya elektroniki AN BSSR)

B

TITLE: Use of the photoeffect for the measurement of the spectrum of extremely weak radiation

SOURCE: AN BSSR. Vestsii. Seryya fizika-tehnichnykh nauk, no. 1, 1966, 119-120

TOPIC TAGS: photoeffect, radiation spectrum, radiation intensity, radiation measurement, photoelectric detection equipment

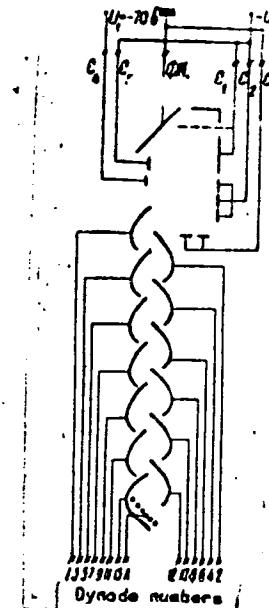
ABSTRACT: The authors describe a photoelectric device intended for the measurement of the intensity and of the spectral characteristics of very weak radiation (10^{-14} - 10^{-18} w/cm²-sec) and for the determination of the spectral characteristics of the radiation. The device described (Fig. 1) is a combination of a photocathode, a control (separation) system for the photoelectrons, and an electron multiplier. Its operation is based on the dependence of the photoemission of electrons on the quantum energy. The instrument can also determine directly the wavelength of monochromatic radiation. The sensitivity in different regions of the spectrum is 1.7 - 5.0 A/mv. Anode-current cutoff curves for one of the samples are presented. Orig. art. has: 2 figures.

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L 29524-66

ACC NR: AP6010206

Fig. 1. Electric diagram of instrument. A - anode,
 $U_A = 1975$ v; P_c - photocathode, C_1-C_5 - control electrodes.



SUB CODE: 20, 09/ SUBM DATE: 05Nov65/ ORIG REF: 001/ OTH REF: 002

Card 2/2 LS

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001135220003-4"

MOROZOV, Georgiy Fedorovich, prof.; YURRE, N.A., red.; GOSPODARSKAYA,
T.N., red.izd-va; KARPOVA, G.L., tekhn. red.

[Principles of forestry] O lesovedstvennykh ustoiakh. Moskva,
Goslesbumizdat, 1962. 22 p. (MIRA 16:3)
(Forests and forestry)

MOROZOV, G.G.

AUTHOR: Morozov, G. G.

64-8-12/19

TITLE: On Some Questions Concerning the Automation of Sulphuric Acid Production According to the Contact Method (O nekotorykh voprosakh avtomatizatsii kontaktnogo sernokislotnogo proizvodstva).

PERIODICAL: Khimicheskaya Promyshlennost', 1957, Nr 8, pp. 47-49 (USSR)

ABSTRACT: The papers by A. G. Amelin and N. N. Shumilovskiy (reference 1) are discussed here. It is pointed out that S. V. Kuznetsov (reference 2), though he has shown some shortcomings of this paper, did, however, not notice many others. Amelin and Shumilovskiy begin with the wrong conception that the stable work of the sulphuric acid works depends mainly on the constant volume of the gas to be processed and on the sulphur-anhydride-concentration in it. Furthermore they believe that in the case that these indices remain constant only a slight regulation of the technological process is necessary and that the regulated method of operation can be maintained long time without an alteration of the parameter on the same level. It is shown here that this is not the case, that the fluctuations occur much more frequently in the technological process; i. e. those effected by the

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On Some Questions Concerning the Automation of Sulphuric Acid 64-8-12/19
Production According to the Contact Method

instability of the laundry departments and not by such of the furnace department. The regulation of the laundries is one of the tasks without the solution of which a realization of the complex automation is impossible. Therefore the scheme suggested by Amelin and Shumilovskiy is completely unreliable. An automation of the production of sulphuric acid can take place only after the following points have been carried out: 1) The obsolete outfit must be replaced by another more perfect what concerns construction and corrosion resistance. 2) The existing technological schemes must be simplified. The great apparatus have to form only a technological line. 3) The socalled bottlenecks of the production (stabilization of the laundries, regulation of the water economy etc.) must be abolished.- Only under these conditions an automation of the production of sulphuric acid can yield a maximum profit.

There are 8 references, 8 of which are Slavic.

AVAILABLE: Library of Congress

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MOROZOV, G.I.; KLEYNERMAN, I.I.

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1. Kafedra patologicheskoy anatomii (zav. - prof. I.S.Novitskiy)
Omskogo meditsinskogo instituta imeni M.I.Kalinina i Vtoraya
Omskaya bol'nitsa (nauchnyy rukovoditel' - prof. M.E.Vinnitskov)
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MOROZOV, G.I.

Pathomorphological and clinical aspects of complications in drug therapy. Sov. med. 25 no.9:97-102 S '61. (MLA 15:i)

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(PENICILLIN)

GABRIYELYANTS, G.A.; BLISKAVKA, A.G.; MOROZOV, G.I.; KHUSNUTDINOV, Z.B.;
KHADZHINUROV, N.; KOLODIY, V.V.

Zeagli-Darvaza gas field. Geol. nefti i gaza 6 no. 11:28-30 N '62.
(MIRA 15:12)
1. Upravleniye geologii i okhrany neur pri Sovete Ministrov Turk-
menskoy SSR i Turkmenkiy filial Vsescouznogo neftegazovogo nauchno-
issledovatel'skogo instituta.

MOROZOV, G.I.

Improved control of the cooling system of mercury pumps.
Elek. i tepl. tiaga 6 no.10:24 0 '62. (MIRA 15:11)

1. Starshiy inzh. uchastka energosnabzheniya stantsii
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(Electric railroads--Substations)

LENINOV, G.I., USSR; GRAVES, R. J., USA; TAYLOR, D. C., USA

Technology of making small nuclear bombs is a textbook for secondary school students in Soviet elementary schools. Books have been distributed throughout the Soviet Union. The book contains information on the production of plutonium, uranium, and other radioactive materials.

4. USSR: Nuclear weapons.

S/163/62/000/005/040/033
3226/5307

AUTHORS: Petukhov, I. N., Kurnorshteyn, L. M. and Korobov, I. I.

TITLE: Using the change in the electroconductivity of rocks to study their solid strain state and collector properties

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1982, fs, ro-
strukt 5A23c (sc. tr. po voopr. issled. gorn. i svidcheniya
i svidcheniya gorn. porod, VNIIG, 42), L., 1981,
110-118)

TEXT: A description is given of the equipment for measuring the electric resistance of specimens of rocks under a variable pressure and of the obtained results. The relative resistance of the rock specimens increases as the pressure becomes greater. The highest increases are observed in rocks, containing miscellaneous admixtures. The rock resistance diminishes as the pressure drops, but the phenomenon of hysteresis is observed. The measurements were made on a two-electrode circuit with a supply-current frequency

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5225/5507

Using the change in ...

of 1000 c/s. It is shown that the resulting data have to be used in determining rock porosities in the resistivity method. It is claimed that the character of the pressure change in rock masses can be ascertained by measuring the rock resistance. To do this, the rock resistance is systematically measured in drilled holes by means of a system of electrodes, fixed in the borehole. The result of measuring the resistance of the ground and the roof of a coal seam in the process of being mined is described. As a result of obstacles in the measurement of the potential differences, the observation of the nature of the rock change was made by means of measuring the current strength.¹⁴ Abstracter's note: Complete translation.⁷

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MOROZOV, Grigoriy Iosifovich

[New step toward a lasting peace; resolution of the Supreme Soviet of the U.S.S.R. on the question of unilateral cessation by the Soviet Union of the testing of atomic and hydrogen weapons] Novyi shag k prochnomu miru; postanovlenie Verkhovnogo Soveta SSSR po voprosu ob odностороннем прекращении Советским Союзом испытаний атомного и водородного оружия. M. Znanie, 1958. 39 p. (Vsesoiuznoe obshchestvo po rasprostraneniu politicheskikh i nauchnykh znanii. Ser. VII, 12) (MIRA 12:1)
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ZUBOV, A.V., inzh.; KAZACHKIN, V.I., inzh.; MOROZOV, G.K., inzh.; NOVOKHATSKIY, I.N., inzh.

Our suggestions for improvement of the VL23 electric locomotive circuit. Elek. i tepl. tiaga 4 no. 2:45 F '60. (MIRA 13:6)

1. Depo Orel.

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